

INTERNATIONAL SCIENCE STUDIES, MINOR

College of Agricultural & Environmental Sciences

Minor

This interdisciplinary minor in International Science Studies introduces College of Agricultural & Environmental Sciences students to global issues, which affect their major disciplines in the current world, and also provides an opportunity to gain first-hand experience abroad when appropriate. The goal of this minor is to enable our college students to develop greater international competence and to enhance their employability.

The minor assumes that the student will have a major in the sciences and that classes taken under one of the three tracks in the minor will contribute depth to the existing major or establish depth in a selected additional field of study. Students will be expected to work closely with an academic advisor in developing an intellectually coherent program of the study. A minimum of 18 units of upper division work is required. Only a single course can be counted toward both major and minor and no course can be used to satisfy the requirements of more than one minor.

Lead Faculty Advisor

Shu-Hua Chen (shachen@ucdavis.edu) (Land, Air, & Water Resources); 530-752-1822.

Code	Title	Units
Global Issue Course Requirement		7-8
Focusing on broad range of global issues and their impacts on ecological and environmental resources and biodiversity, in addition to international policy and economics. Beyond the courses taken under each track, choose two out of the three courses listed below:		
ATM 116	Modern Climate Change	
PLS 150	Sustainability & Agroecosystem Management	
ARE 115B/115BY/	Economic Development	
ECN 115B/115BY		
Choose one of the following tracks:		16-17
Education Abroad Program courses taught overseas and relevant international internship activities will count towards the minor requirement with advisor's approval. For each track, students can take a maximum of 3 units from EAP courses, with a valid transcript, and 3 units from relevant international internship activities. The international internship activities would require a pre-approved study plan with the academic advisor before the maximum of 3 units can be awarded. Language and culture related courses are encouraged, but not required for the minor.		
Education Abroad Program (EAP) courses. (https://catalog.ucdavis.edu/courses-subject-code/eap/)		
(1) Ecological, Environmental, & Energy Studies Track (p. 1)		
(2) Policy & Management Focus Track (p. 1)		

(3) Agriculture, Food, & Fiber Systems Track (p. 1)

Total Units **23-25**

(1) Ecological, Environmental, & Energy Studies Track

Code	Title	Units
Choose 16-17 units:		16-17
ANT 103	Indigenous Peoples & Natural Resource Conservation (Discontinued for spring 2026) **	4
ARE 147	Resource & Environment Policy Analysis	3
ATM 116	Modern Climate Change	3
ATM 133	Biometeorology	4
ESM 100	Introduction to Water Science	4
ESM 121	Water Science & Management	3
ESM 131	Air as a Resource	3
ESM/PLS 144	Trees & Forests	4
ESM 120	Global Environmental Interactions	4
ESP 100	General Ecology	4
ESP 151	Limnology	4
EVE 147	Biogeography	4
HYD 143	Ecohydrology	4
SSC 109	Sustainable Nutrient Management	4

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Course(s) discontinued; see your advisor for course options.

(2) Policy & Management Focus Track

Code	Title	Units
Choose 16-17 units:		16-17
ARE/ECN 115A	Economic Development	4
ARE 115B/115BY/	Economic Development	4
ECN 115B/115BY		
ARE 138	International Commodity & Resource Markets	4
CRD 156	Community Economic Development	5
CRD 180	Transnational Community Development	4
ESP/ARE 175	Natural Resource Economics	4
IAD/PLS 160	Agroforestry: Global & Local Perspectives	3
IAD 170	Program Development for International Agriculture	4
IRE 190	Topics in International Relations	4

(3) Agriculture, Food, & Fiber Systems Track

Code	Title	Units
Choose 16-17 units:		16-17
ANT 103	Indigenous Peoples & Natural Resource Conservation (Discontinued for spring 2026) **	4
ATM 133	Biometeorology	4
CRD 153A	International Community Development: Asia	4

CRD 153B	International Community Development: Europe	4
ESM 121	Water Science & Management	3
ESM 131	Air as a Resource	3
EVE 138	Ecology of Tropical Latitudes (Discontinued for winter 2026) **	5
FST 109	Principles of Quality Assurance in Food Processing	3
HYD 124	Plant-Water-Soil Relationships	4
NUT 119A	Global Nutrition	3
NUT 119B	International, Community-Based Nutritional Assessment	6
PLS 150	Sustainability & Agroecosystem Management	4
PLS/IAD 160	Agroforestry: Global & Local Perspectives	3

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Course(s) discontinued; see your advisor for course options.